Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1(Currently amended). A method for managing memory comprising:

receiving an application state from each of a plurality of applications in memory, <u>wherein each said application includes a plurality of operational stages, and</u> wherein each application state indicates the <u>presence</u> ~~manifestation~~ of ~~user perceivable~~ differences ~~from~~ <u>between</u> ~~a current~~ <u>an</u> operational <u>stage</u> ~~state~~ of a corresponding activated application <u>at a point when memory is evaluated for application removal and the operational stage of</u> ~~upon~~ the corresponding application <u>upon</u> being unloaded from the memory and reactivated; and

determining which of the plurality of applications to effect removal from the memory based on the received application states, wherein an application with an application state indicating ~~less~~ <u>an absence</u> of said ~~user perceivable~~ differences <u>between said activated and reactivated operational stages</u> ~~relative to the user perceivable differences indicated by application states of other applications in the memory~~ is removed from the memory before ~~the~~ other applications <u>with application states indicating the presence of said differences between said activated and reactivated operational stages</u>.

2(Currently amended). The method of claim 1, wherein said receiving an application state from each of the plurality of applications in memory includes receiving one of a stateless state indicating <u>the absence of said differences between said activated and reactivated operational</u>

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stages and no significant ones of ~~said~~ user perceivable differences <u>between said activated and reactivated application,</u> a stateful state with a state record indicating <u>the absence of said differences between said activated and reactivated operational stages and</u> no significant ones of said user perceivable differences<u> between said activated and reactivated application,</u> and a stateful state with no state record indicating <u>the presence of said differences between said activated and reactivated operational stages and the presence of</u> said user perceivable differences <u>between said activated and reactivated application.</u>

3(Currently amended). The method of claim 2, wherein said receiving a stateless state includes receiving ~~a state that indicates~~ <u>an indication that</u> a user would perceive no significant difference between a presentation associated with one of the plurality of applications before and after ~~removal~~ <u>being unloaded</u> from the memory and <u>reactivated</u> ~~reloading to the memory~~.

4(Currently amended). The method of claim 2, wherein said receiving a stateful state with a state record includes receiving ~~a state that indicates~~ <u>an indication that</u> a user would perceive no significant difference between a presentation associated with one of the plurality of applications before and after ~~removal~~ <u>being unloaded</u> from the memory and <u>reactivated</u> ~~reloading to the memory~~ because the state is saved in the state record.

5(Previously presented). The method of claim 4, further including effecting the removal of the application with a stateful state with a state record and saving the state record.

6(Original). The method of claim 5, further including, responsive to a user activating the removed application, restoring the removed application with the saved state record.

7(Currently amended). The method of claim 2, wherein said receiving a stateful state with no state record includes receiving ~~a state that indicates~~ an indication that a user would perceive a difference between a presentation associated with one of the plurality of applications before and after ~~removal~~ being unloaded from the memory and reactivated ~~reloading to the memory~~.

8(Previously presented). The method of claim 7, wherein said receiving a stateful state with no state record includes receiving unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

9(Previously presented). The method of claim 2, wherein said determining which of the plurality of applications to effect removal includes determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that an application with a stateful state with a state record is removed before an application with a stateful state with no state record.

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10(Previously presented). The method of claim 2, further including effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

11(Previously presented). The method of claim 2, further including providing an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.

12(Currently amended). A method for managing memory comprising :

receiving an indication that memory space is needed in memory;

receiving an application state from each of a plurality of applications in memory, wherein each said application includes a plurality of operational stages, and wherein each application state indicates the presence manifestation of user-perceivable differences from between an a current operational stage state of a corresponding activated application at a point when memory is evaluated for application removal and the operational stage of upon the corresponding application upon being unloaded from the memory and reactivated and, wherein said receiving an application state includes receiving at least one of a stateless state indicating the absence of said differences between said activated and reactivated operational stages and no significant ones of said user perceivable differences between said activated and reactivated application, a stateful

state with a state record indicating <u>the absence of said differences between said activated and reactivated operational stages and</u> no significant ones of said user perceivable differences <u>between said activated and reactivated application</u>, and a stateful state with no state record indicating <u>the presence of said differences between said activated and reactivated operational stages and the presence of</u> said user perceivable differences<u> between said activated and reactivated application</u>;

determining which of the plurality of applications to effect removal from the memory based on the received application state for each of the plurality of applications in memory, wherein said determining includes determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that an application with a stateful state with a state record is removed before an application with a stateful state with no state record; and

effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

13 - 17(Canceled).

18(Currently amended). A system for managing memory, said system comprising:

a memory with logic; and

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a processor configured with the logic to:

receive an application state from each of a plurality of applications in memory, wherein each said application includes a plurality of operational stages, and wherein each application state indicates the presence ~~manifestation~~ of ~~user perceivable~~ differences ~~from~~ between an ~~a current~~ operational stage ~~state~~ of a corresponding activated application at a point when memory is evaluated for application removal and the operational stage of ~~upon~~ the corresponding application ~~upon~~ being unloaded from the memory and reactivated; and

determine which of the plurality of applications to effect removal from the memory based on the received application states, wherein an application with an application state indicating ~~less~~ an absence of said ~~user perceivable~~ differences between said activated and reactivated operational stages ~~relative to the user perceivable differences indicated by application states of other applications in the memory~~ is removed from the memory before ~~the~~ other applications with application states indicating the presence of said differences between said activated and reactivated operational stages.

19(Currently amended). The system of claim 18, wherein said application state includes one of a stateless state indicating the absence of said differences between said activated and reactivated operational stages and no significant ones of ~~said~~ user perceivable differences between said activated and reactivated application, a stateful state with a state record indicating the absence of said differences between said activated and reactivated operational stages and no significant ones of said user perceivable differences between said activated and reactivated

application, and a stateful state with no state record indicating the presence of said differences between said activated and reactivated operational stages and the presence of said user perceivable differences between said activated and reactivated application.

20(Currently amended). The system of claim 19, wherein the stateless state includes a state where indicates that a user would perceive no significant difference between a presentation associated with one of the plurality of applications before removal from the memory and after reactivation reloading to the memory.

21(Currently amended). The system of claim 19, wherein the stateful state with a state record includes a state where indicates that a user would perceive no significant difference between a presentation associated with one of the plurality of applications before removal from the memory and after reactivation reloading to the memory because the state is saved in the state record.

22(Original). The system of claim 21, wherein the processor is further configured with the logic to effect the removal of the application with a stateful state with a state record and save the state record.

23(Original). The system of claim 22, wherein the processor is further configured with the logic to, responsive to a user activating the removed application, restore the removed application with the saved state record.

24(Currently amended). The system of claim 19, wherein the stateful state with no state record ~~includes a state where~~ indicates that a user would perceive a difference between a presentation associated with one of the plurality of applications before removal from the memory and after reactivation ~~reloading to the memory~~.

25(Original). The system of claim 24, wherein the processor is further configured with the logic to provide unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

26(Previously presented). The system of claim 18, wherein the processor is further configured with the logic to determine that an application with a stateless state is removed before an application with a stateful state with a state record, and that an application with a stateful state with a state record is removed before an application with a stateful state with no state record.

27(Original). The system of claim 18, wherein the processor is further configured with the logic to effect the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, wherein the processor is further configured

with the logic to effect the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

28(Original). The system of claim 18, wherein the processor is further configured with the logic to provide an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.